

THE NATIONAL REPOSITORY AT YUCCA MOUNTAIN - SANDNESS, R.C.

Yucca Mountain Repository

RRR000313

Disposal of Nuclear Fuel & High-Level Radioactive Waste. (page 2)

Reprocessing spent reactor material. 3

Transmutation of Uranium. 4

Environmental impact statement for Nevada repository and Rail transportation corridor. 5

Site for developing other sources of renewable energy. 6

Water development for Southwestern States, et al based on requirement of federal program. 7-8

Flood abatement primarily for all states along both the Missouri and Mississippi Rivers. 9

Will the United States be reduced in stature, if those responsible are not able to store water for all our citizens, eliminate flooding, develop renewable energy sources, store radioactive waste and, or transmute uranium concurrently. Yes.

If our nation does not quickly eliminate these seven major domestic problems, the United States, as we Americans know it to be, will begin a decline, to an ultimate fall; possibly vanish, as so many great powers of old. We already have inflated food and fuel prices to deal with; caused by energy and transportation, directly from fuel prices which would be controlled by a stronger nation. Our military is achieving what the rest of our nation should be doing; but, once again, it must reduce spending in wars that drastically reduce our economic power. Our economic growth must come from within, by producing such items as renewable energy sources. Not from imported products from Asian/Mid-Eastern countries which increase the potential of future threats/wars to our nation.

Our federal government must work closely with states involved in water capture programs; producing canals, that eliminate floods - which now ravage economies in the regions so devastated, by too much/to little water. We have all the water required, all we need is a better capture and distribution system. Canals will do just this. with many advantages addressed later in this comment.

THE NATIONAL REPOSITORY AT YUCCA MOUNTAIN – SANDNESS, R.C.

DISPOSAL of NUCLEAR FUEL & High-Level Radioactive Waste.

[Design of the repository is almost complete, but can be changed with new information and requirements as needed. Almost every conceivable flaw has been reviewed by Engineers and laymen alike, with elimination of design flaws where practicable. Yucca Mountain and the surrounding test-site lands just happens to be the only large protected area which can be used for a waste sarcophagus, Yucca Mountain domain already contains radionuclide from past above/below ground test which now flow into zeolite formations, away from peopled areas. This would not be the case as in other states. Many of which might make a suitable disposal site for Uranium/Plutonium, but which must be contained for 1,000,000 years. Lands that could be selected are too environmentally sensitive – too near water-ways, oceans, animal habitats etc. Yucca Mountain is remote, and almost completely barren. The only problems that will remain, is the long-term major-weather-changes that occur approximately every 10 millennium, causing too many critical short-comings. This is still under study, with many findings already engineered into this site. Heavy flooding will happen here in the future. The only answer is to engineer all water to bypass the proposed site, including faults, streams in and out; with automatic filtration/testing to find all radionuclide drift.]

It will not be just status quo when the receiving and processing of waste begins. Those responsible will be able to make quick changes – per suggestions, also where necessity requires. Any operation that succeeds, whether in production of a simple part, sub-assembly, or finished product, may require minor, as well as major adjustments. Yucca Mountain repository burial procedures will be conducted in the best methods U.S. industry has to offer, rail transportation will be no exception.

Security is a must, from start to finish. Should people-monitored Cameras, along with aerial surveillance, utilizing Helicopters etc. be necessary for instance, they must be so instituted; with train personnel utilizing cameras, monitoring the outside of their moving equipment. When done correctly, threats either vanish, or terrorists who threaten sovereign United States lands and people, will be quickly apprehended by proper authorities. As dangerous radioactive elements in all forms are gathered, then shipped to our one secure location – as Yucca Mountain will become; all those wishing us evil, will have a more difficult time finding material here for their dirty bombs and devises. As counters to what such criminal's attempt, jobs will be provided as people are hired for security; along with the hiring of Indians who will be so educated/trained on the safe permanent use their lands. Full term security is a definite requirement, utilizing the FBI background check for all who gain access to Yucca. This cannot be just brushed aside. A permanent station to monitor ground activity, from nature, beast, and man, along with satellite, walking surveillance and video monitors is required.

Each step, in removal of waste from waste generating/temporary storage sites, though transportation via Rail, Truck etc, has been examined by professionals. If changes are required when work begins, necessary changes will be reviewed, as they are encountered, with proper adjustments made. What else needs to be said at this time? Nothing.]

THE NATIONAL REPOSITORY AT YUCCA MOUNTAIN - SANDNESS, R.C.

REPROCESSING SPENT REACTOR MATERIAL

[Our economy needs review on all levels, with reprocessing vital to holding down costs of doing business in the electrical-power-generating sector. It may become necessary in the near future to retrieve entombed reactor material for reprocessing. The Yucca site should be developed for such an eventuality. Other countries, of necessity, are doing just this. If glassification is done, the process should be finalized with reprocessing in mind.] 3

[Rail transportation is the most logical/safest method to move "High-Level" material from source to Yucca. Certain wastes may require flying to the repository. This can be done within all safety standards. Movement via Truck should be done in limited ways. A rubber-tired vehicle may be necessary to move radioactive material from temporary storage to train transportation. And, as with the hiring of personnel, it should never be done quickly as was done after the New York Twin-Towers event. The time for applications is now, long before the first trainloads have settled on the tracks inbound to "The Yucca Repository."] 4

THE NATIONAL REPOSITORY AT YUCCA MOUNTAIN - SANDNESS, R.C.

TRANSMUTATION OF URANIUM

5
 [Several countries have studied transmuting radioactive waste. This should not be ignored as just a base-metal-to-gold, alchemist-process without merit. Great strides are being made, in Europe, a finding of which: dilutes liquefied radioactive matter processed with great amounts of sea-water harmless. NRC will ultimately license this process when it can be proven, just as they will The Nuclear Waste Repository at Yucca Mountain when Engineers prove it is safe for all time. And, safe-for-all-time is monitoring through the ages. There will be many merits when this is done. As Scientists work to find the best methods of transmutation, while others find better wind, photovoltaic, geo-thermal, and many other renewable sources of power, transmutation will be finalized. It will happen.

TRANSMUTATION IS ONGOING AND
 APPEARS TO WORK WITH ENOUGH VOLUME
 OF H_2O & ELEMENTS TO REDUCE URANIUM TO
 0 HALF LIFE/REPROCESS FOR USE.

FOR BUREAU SUPPORT CANAL PROJECTS
 TO BRING FRESH WATER TO ARIZONA ^{SOUTH} WEST

MOST IMPORTANT IS FIRE PROTECTION
 ACROSS THE PROPOSED (3) CANALS TRAVELING
 THEY HOLD WATER AT VARIOUS LOCATIONS
 (LAKES ETC) ^{SUBSTANTIAL} TO REDUCE DECOMPOSITION & PROVIDE
 NEW SOURCES OF COOLING VIA EVAPORATION
 [RECYCLING METHOD] (4)

THE NATIONAL REPOSITORY AT YUCCA MOUNTAIN – SANDNESS, R.C.

ENVIRONMENTAL IMPACT STATEMENT FOR NEVADA REPOSITORY AND
RAIL TRANSPORTATION CORRIDOR

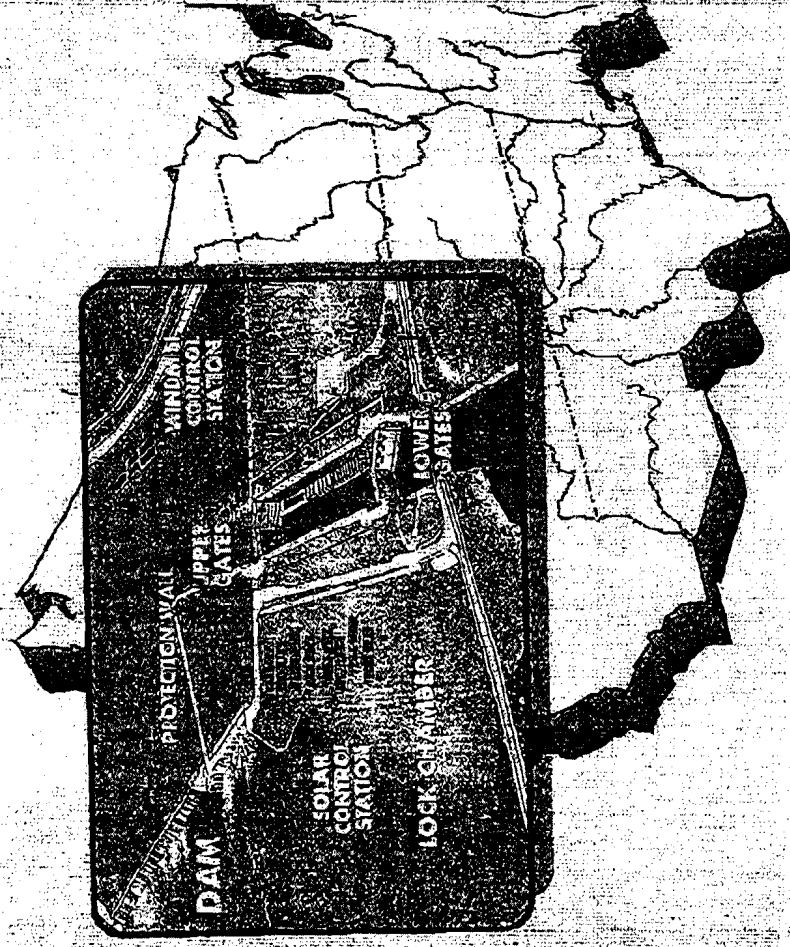
- 6 [The use of Yucca Mountain must be decided right now by a national vote – Yea or Nay. NRC will grant a license to begin transporting and storage of radioactive materials when the environmental impact is reduced to a very low or a no impact condition. The can be achieved with volunteer help, working with professionals in all the related fields of wind, water, power, jobs etc. and the unknown, which may effect animals as well as humans, now and in the future.]
- 7 [Railcars that will be used for transportation of nuclear waste should never be used for other uses – NEVER. Nuclear waste carrying railcars should be COBALT blue, with standard symbols that have been used for decades. In addition, each car should have flashing light and beep a warning signal that is generated via solar power. *OR PTHALLO for now*]
- 8 [A announced movement schedule, activated by a voice radio device at each crossing via special closed-frequency-transmitter on trains carrying radioactive waste. *using speaking* Trains will have a full-time monitoring device and personnel that ~~look~~ at exterior of train, as well as monitored receiver transmitted view of each crossing, transmitted to trains earlier enough for Engineer to stop train if required. Today's technology provides equipment that is cheap enough, to do this in such a way that criminals cannot easily steal device, or want to.] *SCANS*
- 9 [Advanced warning of intended travel routes ~~will~~ be provided, so land owners can make the necessary adjustment to human and stock animals. No human should ever be within the range of being radiated with each passing train. Passing trains with radioactive waste should never have any effect – either temporary or long term.] *Person (woman) Remind of device is + for one (Mile) you will be person*
- 10 [Rail lines should be maintained, by federal regulation, to prevent derailment, and damage to trains due to carelessness of degraded equipment ~~and~~ normal operations. Nevada Rail Transportation Corridor as outlined in October 2007 Summary should not be a burden to any land owner, nor cause injury to Indians along these route. *UNDER*]

ON THEM AS]
BUT

THE NATIONAL REPOSITORY AT YUCCA MOUNTAIN – SANDNESS, R.C.

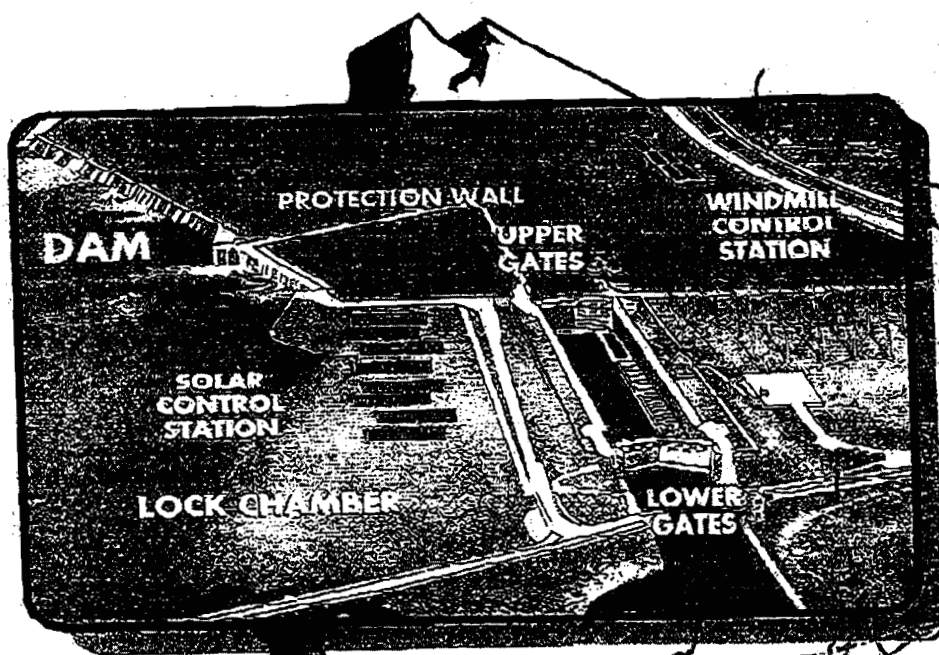
WATER DEVELOPMENT FOR SOUTHWESTERN STATES, ET AL BASED ON
REQUIREMENT OF FEDERAL PROGRAM*Continued*

Water development is quite important, for our immediate future in the Southwest, but also across our small planet. Canals will provide movement/storage of water for many uses. The more water we store inland, the less coastal areas become inundated from "global warming." Justified theories or not, water continues to invade lands such as the city of Venice, Italy and eventually New York city, Miami and port cities across our small world. Earthlings have the people, power and money to prevent possible catastrophes, long before rising waters can do permanent damage from the so called "global warming," and normal climatic cycles. Most cycles are solar-wind induced.

3 canals to control flood water, aid dry South West.

Government water programs, working with Nevada, will help solidify Nevada's, developing support for the use of Yucca Mountain as a nuclear waste repository. Other uses have already been noted.

PROVIDE FLOOD RELIEF, STORE WATER.



3 canals to control flood waters, aid dry Southwest

8



Mr. Robert C. Sandness
321 Beaumont St.
Las Vegas, NV 89106

121

COVER SHEET

To D.O.E

1800 967

OFFICE OF CIVILIAN RADIOACTIVE
WASTE MANAGEMENT

RE: ENVIRONMENTAL IMPACT STATEMENT
NEV. RAIL TRANS. CORRIDOR
AND OTHER ISSUES

PAGE 6 MISSING OF PAGES DRAFT
(FAX ONLY SEND, NO RECEIVE.)

IMPORTANT MATERIAL NOT ABLE TO GET,
Y, AS ALL PRINTERS HAVE NOT WORKING.
SENDING THIS ROUGH DRAFT, IN HOPES
OF FIXING PROBLEM IN A FEW DAY.

Sincerely

Bob Sandness

702 382 3796